Introduction of Company

Our company is a domestic chemical sales agency, chemical raw material importer, and exporter. Since founded in 1999, we are on the way of changing from the raw material distributor to product maker, and at the moment, we are processing natural paint, adhesives, urethanes, epoxy raw materials and selling them in OEM type.

Recently, we have been planning to manufacture and sell the natural paint. Our sales is about 4 billion and the import and export are operated commission type. We have liaison offices at China and India to change as a trading company. The main business was products development and sales the domestic chemical raw materials with our suppliers but we have been working on developing environmentally friendly paint since 2005, and now we are preparing to put natural anion paint, other paint, charcoal paint, etc on the market.

History

2011 Q Marks assurance company, Eco-Labeling in Korea,
2010 Membership in KISTI, Export association in Gyeonggi-do, Moves in Woo Lim Lions valley in Seongnam complex.
2009 Innobiq company, started Institute of natural materials, chemicals Increase of capital 4 billion won registration of public procurement service, Registration of export company in Korea, Registration of ministry of employment and labor.
2008 Venture company, Clean company,
2007 ¥4 billion sales based on November, 2007, Exhibition in China (Beijing, Shanghai, Dalian, Harbin, Guangzhou, Shenzhen, Shenyang, Etc), Attending and brand "Morning in the Forest" promotion chosen as the Gyeonggi Internet trading frontier business and using e-trading,
2006 ¥3 billion sales opened liaison offices in Fushun Beijing, China, Factory stakes and moving (SK Technopark, Sungnam),
2005 Started manufacturing natural anion paint, Attended kotra market exploitation group by korea, International trading association (Taiwan, China, Eastern Europe, etc)
2004 Opened office in Mumbai, India, and in the type of commission type,
2002 Changed to the corporation, Started paint business and manufacturing and sales,
1999 Founded IREA Chemical Firm, Started as a domestic sales agent for chemical raw materials like epoxy, urethane, etc, Became the sole agent of Bitrez Polyamide, England and domestic agent for Kumho P&B and Korea Polyol, Diversification of paint raw material resources and domestic chemical raw material suppliers,
Patents and Certificates

Health bedding set features

- New house syndrome, new school syndrome, old house syndrome and resolve at a time,
- In a room feel clean and fresh air in the woods, shall enjoy the woods,
- Air vitamin 'anion' releasing large amounts of (Korea Institute of construction materials test report :Negative ion emission 241.2cn/cc).
- Prevent oxidation caused by free radicals, the stability of the autonomic nervous system function, blood circulation, promote metabolism,
- High emissivity of far-infrared space of over 93% implementation,
- Intracellular molecules, stimulating cell activity and promotes growth,
- There's no irritating smell from the day of construction available,
- Minerals, natural weapons (Anion emission, emissions) and natural extracts of pine (Phytoncide effect) consists of a smell stimulus is not available from the day of installation,
- Anti mold, bacterial, toxic chemicals, deodorant, insect repellent effects excellence, humidity control can produce beautiful, colorful and diverse.
- Beddingset produce a variety of colors and a variety of beautiful and on top of the wall paint or wallpaper, and paint over wallpaper, especially finisher makes a difference as the new wallpaper,
- New house syndrome and old house syndrome effect phytoncide well, Castro's syndrome,
- Due to the natural pine tree extract phytoncide effects, such as pine woods to produce a comfortable environment,
- Above all, Sumac effect gives you a good sleeping.
Morning in the Forest / Breathing paint Hue - Effect

Produces large quantities of Anion (negative ion) of air, prevention of oxidation by Activated oxygen, Stabilization of the autonomic nervous system.

Acceleration of our natural metabolism
Creation of a high quality "far infrared ray" space with over 93% emission rate stimulation of molecules within a cell causes cell activity and growth to increase.

With "Phytoncide effect" the effect of natural pine tree extract, you can create a pine forest like pleasant environment.

We are able to prevent "New house syndrome" by blocking Formaldehyde, VOC etc, you are free from the effects of atopic dermatitis.

Diverse and beautiful color.
You are able to decorate in Diversity because of the absents any repulsive smells you can utilize the area right away.

The regulation of humidity levels,
We always maintain a pleasant humidity lever.
Antibacterial, anti-mold, repellant properties

Reduces overall fuel consumption with its insulation effects,
increase of overall physical strength—even with a brief exposure, you are able to feel effects to your muscles, body—harmless to both skin and body.

Anion

Value ea/cc

<table>
<thead>
<tr>
<th></th>
<th>General residential</th>
<th>Surrounding mountains</th>
<th>Forest area</th>
<th>Waterfalls surrounding</th>
<th>Forest morning</th>
</tr>
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<tbody>
<tr>
<td>Value</td>
<td>470</td>
<td>700</td>
<td>2300</td>
<td>1700</td>
<td></td>
</tr>
</tbody>
</table>
Morning in the Forest / Breathing paint Hue - Effect

- Production of Antons
- Phytocid effect from pine trees
- Release of far infrared rays
- Maintaining pleasant humidity
- Antibacterial effects and sterilization
- Tick repellant effect
- Mould elimination
- Deodorization

Purity 99%
Environment friendly all natural paint.

Color system
Using manual

[Execution]
- Amount of usage (0.3~0.5mm): 1kg/3.5㎡
- Drying time: 4~6hr

[Color]
Dark Loess, Light Loess, Light white clay, White

[Packaging Unit]
4Kg, 12Kg Liquid type

[Surface Coating]
- Wallpaper, plaster board, veneer board
- Surface of wooden manager, water paint, concrete
- Every surface of finisher, wallpaper

[Usage]
- Easy to use, same way of water paint
- Remove foreign such as dust, oil, and dry
- A several surface coatings in irregular surface
- In case of not good surface, you can use selfleveling several times,
- In case of irregular surface, you can use, joint tape, and mixed meoputy.

[Paint]
- A slight coating in fully surface coating, drying sandpapering,
- After finished, at least do not touch in 4~6 hours.

[Direction]
- Do not use in 5°degree, wet 85%
- Before use full string of fixed color
References

- Apartment
- Hospital
- Office
- School
- Kindergarten
- Office Hotel
Poly ceracoat-riea paint

[Eco flooring materials]
Developed using advanced polymer chemistry, as eco-friendly concrete flooring and ceramic powders and water-soluble polymers that make up any proof, and the concrete floor to form a stable adhesive floor of a new concept.

[Polyceracote contractors configuration and color]

Installation configuration

Top Coating
Middle Coating
Percent of Elasticity, Percent of Function, To Match the Strength
Concrete Floor Slab

Polycora-cote

Gray
Red-Blue
Sky
Green
Ocher
Apricots

This is may not same color. (Other colors Order)
Construction process

Basic Process ➔ Grinding ➔ Low Working ➔ Top Finish & Coating ➔ Middle Coating

Reference Projects

Parkig lot – Lotte Department

Factory flooring

Civil parking lots ➔ Flooring
Health bedding set features

If you use natural materials, natural air emissions to maximize the capabilities of the anion. Accordingly, the smooth blood circulation, respiration, and head back sumgote anions and blood pressure due to radiation relieve headaches and migraines.

To clear my head coated with buckwheat shell buckwheat pillows, natural negative ions in the indoor air formaldehyde (HCHO) smell, odor, deodorant should clean the air around the pillow.

In addition, buckwheat shells coated with the anion in the far infrared rays are radiated through the photoelectric effect in living cells of the nervous tissue by acting on nerve ends tingling pain can be reduced.

Mattress in the silver, copper, nickel, arranged at regular intervals, as well as blocking the sumac inhibit bacteria, and bacteria sterilization, disinfection and air by emitting negative ions to New house syndrome is a product that can be resolved.

There is need a good sleep condition, strongly recommended, if consumers want a comfortable night’s sleep is worth.
Product Specification

Mattresses: 500, 700
Size: 1.5 x 2.2(m), 2.0 x 2.5(m)
(1 Guest, 2 Guests)
Natural anion pillow

[Natural anion buckwheat pillow]

1. Natural anion effect (Minimum 1700ea/cc)
2. Ultra violet rays effect
3. Antibacterial, Sterilization, Mildew exclusion
4. Deodorization and VCC exclusion of air

[Effect of anion buckwheat pillow]

1. Because anion that is emitted within anion buckwheat hulls comes into interior of the body by breath, blood exchange in smoothly and medulla alterbrain anion is emitted and palliate a headache or migraine by blood pressure,

2. Through photoelectric effect in because far infrared is radiated within anion buckwheat hulls living body cell Reduce pain that feel prickly acting directly in verrus terminalis and peripheral nerve of tomation.

3. Bloomed buckwheat hulls prevents Mildew that microscopic parasite such as tick, a little, head lice does not to live and happens in general buckwheat hulls by anion white clay.

4. Deodorizes and clears midew on pillow surroundings, Formaldehyde (H-CHO) smell, an offensive odor that anion buckwheat hulls is among indoor air
Other products

- Adhesive Repairing Materials (Strong Ceramic, Epoxy)
- Epoxy Penint Urethane Paint
- Sealant (Construction Purpose)

Polyol (Polyurethane) series

Product List (Polyol)

<table>
<thead>
<tr>
<th>No</th>
<th>Grade</th>
<th>Matching Grade</th>
<th>Packing</th>
<th>On Value (mgKOH/g)</th>
<th>Viscosity</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GP-3000</td>
<td>H3021,H3022,Y503,TP3000</td>
<td>Drum</td>
<td>53~58</td>
<td>460~520</td>
<td>General</td>
</tr>
<tr>
<td>2</td>
<td>GP-3001</td>
<td>H3010,Y5313,TP3001</td>
<td>Drum</td>
<td>53~58</td>
<td>350~550</td>
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<tr>
<td>3</td>
<td>GP-4000</td>
<td>H4000</td>
<td>Drum</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>GP-5000</td>
<td>H5000</td>
<td>Drum</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>FP-1000</td>
<td>H10000/L-1100</td>
<td>Drum</td>
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<td></td>
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<tr>
<td>6</td>
<td>FP-2000</td>
<td>H20000/L-1100</td>
<td>Drum</td>
<td>54~58</td>
<td>270~330</td>
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</tr>
<tr>
<td>7</td>
<td>FP-3000</td>
<td>H30000/03000</td>
<td>Drum</td>
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<td></td>
<td></td>
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<tr>
<td>8</td>
<td>FA-717</td>
<td>H3322/Y4813</td>
<td>Drum</td>
<td>46~50</td>
<td>500~600</td>
<td>Car, Furniture</td>
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<tr>
<td>9</td>
<td>FA-311</td>
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<td>Drum</td>
<td>40~44</td>
<td>920~1020</td>
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<td>10</td>
<td>FA-703</td>
<td>H4701,H4705,H407,Y531/GE52</td>
<td>Drum</td>
<td>30~35</td>
<td>860~950</td>
<td>Furniture</td>
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<tr>
<td>11</td>
<td>GL-3000</td>
<td>KE-7083,H3033,H3021/Y1455/GE3000</td>
<td>Drum</td>
<td>52~56</td>
<td>480~540</td>
<td>Hot mold</td>
</tr>
</tbody>
</table>

Curing agent

- MDI
- TDI (80/20)
- Moca
- etc.
- TiO₂ (Rutile, Anatase Type) - Du pont R-902, etc
- Other solvent - BTX
- Phenol, Bis-phenol A
- Monomer
- etc
### Epoxy resin series

<table>
<thead>
<tr>
<th>No</th>
<th>Grade</th>
<th>Matching Grade</th>
<th>Packing</th>
<th>Wpe (g/e)</th>
<th>Viscosity</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>E-828</td>
<td>YD128/LER850</td>
<td>Drum, Can</td>
<td>184~190</td>
<td>12,000~15,000</td>
<td>General</td>
</tr>
<tr>
<td>2</td>
<td>E-828HC</td>
<td>YD128S/LER850C</td>
<td>Drum, Can</td>
<td>200~250</td>
<td>20,000~30,000</td>
<td>Non Crystal</td>
</tr>
<tr>
<td>3</td>
<td>E-834</td>
<td>YD134/LER880</td>
<td>Drum, Can</td>
<td>235~263</td>
<td>2,100~2,300 (in solv)</td>
<td>Non Crystal</td>
</tr>
<tr>
<td>4</td>
<td>E-215</td>
<td>YD114/LER844</td>
<td>Drum, Can</td>
<td>192~208</td>
<td>700~1,100</td>
<td>Elec, Electro</td>
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<tr>
<td>5</td>
<td>E-815</td>
<td>YD115/LER855</td>
<td>Drum, Can</td>
<td>178~196</td>
<td>700~1,100</td>
<td>General Type</td>
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<tr>
<td>6</td>
<td>E-815HC</td>
<td>YD115CA/LER855C</td>
<td>Drum, Can</td>
<td>195~216</td>
<td>800~1,600</td>
<td>Non Crystal</td>
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<tr>
<td>7</td>
<td>E-3100</td>
<td>YD001/KD211E/GT6071</td>
<td>Bag</td>
<td>450~500</td>
<td>5,300~7,900 (in solv)</td>
<td>Civil &amp; Construction</td>
</tr>
<tr>
<td>8</td>
<td>E-1001/E3001N</td>
<td>YD001/LER1060/KD211SW</td>
<td>Bag</td>
<td>450~500</td>
<td>5,300~8,800 (in solv)</td>
<td>Marine &amp; Heavy Duty</td>
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<tr>
<td>9</td>
<td>E3001MSG</td>
<td>KD211G/GT6248</td>
<td>Bag</td>
<td>500~575</td>
<td>6,300~7,900 (in solv)</td>
<td>Coating, Accessory</td>
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<tr>
<td>10</td>
<td>E3002/3002N</td>
<td>YD012/KD242H/GT7072</td>
<td>Bag</td>
<td>625~704</td>
<td>7,500~13,500 (in solv)</td>
<td>Powder Coating</td>
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<tr>
<td>11</td>
<td>E3003/3003N</td>
<td>YD013/KD213/LER3050/GT7004</td>
<td>Bag</td>
<td>704~840</td>
<td>10,000~17,000 (in solv)</td>
<td>Coating</td>
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<tr>
<td>12</td>
<td>E3003-4F2</td>
<td>KD213F2/KD229/KD293</td>
<td>Bag</td>
<td>717~810</td>
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<td>High Flexibility</td>
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<tr>
<td>13</td>
<td>E3003F10/FCA10</td>
<td>YD013KSPF/YD014DLM</td>
<td>Bag</td>
<td>770~880</td>
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<td>High Flexibility</td>
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<tr>
<td>14</td>
<td>E3003/3004N</td>
<td>YD014/KD214C/LER4050/GT6084</td>
<td>Bag</td>
<td>806~980</td>
<td>13,000~25,000 (in solv)</td>
<td>Powder Coating</td>
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<tr>
<td>15</td>
<td>E-3004S</td>
<td>YD014ER</td>
<td>Bag</td>
<td>847~980</td>
<td>20,000~25,000 (in solv)</td>
<td>Resin-Ester</td>
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<tr>
<td>16</td>
<td>E3007/3007N/K</td>
<td>YD017/KT7099/GT7097</td>
<td>Bag</td>
<td>1500~2100</td>
<td>42,000~100,000 (in solv)</td>
<td>Can Coating/Pcm</td>
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<tr>
<td>17</td>
<td>E-3007S</td>
<td>YD017ER</td>
<td>Bag</td>
<td>1220~1667</td>
<td>42,000~80,000 (in solv)</td>
<td>Epoxy-Ester</td>
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<tr>
<td>18</td>
<td>E-1009</td>
<td>YD019/019K/LER3050/GT6089</td>
<td>Bag</td>
<td>2273~3845</td>
<td>100,000~280,000 (in solv)</td>
<td>Can Coating/Pcm</td>
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<tr>
<td>19</td>
<td>E-3009/3009K</td>
<td>YD019/019T/GT7099</td>
<td>Bag</td>
<td>1754~3030</td>
<td>100,000~280,000 (in solv)</td>
<td>Can Coating/Pcm</td>
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<tr>
<td>20</td>
<td>E300X75/3001X75</td>
<td>YD011X75</td>
<td>Bag</td>
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<td>Heavy Duty &amp; Marine</td>
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<tr>
<td>21</td>
<td>E301CTR50N</td>
<td>YD011MTB50</td>
<td>Bulk, D/M</td>
<td>B/T/M50%</td>
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<td>22</td>
<td>E-1001X75</td>
<td>YD011X75</td>
<td>Drum</td>
<td>X~25%</td>
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<td>Heavy Duty &amp; Marine</td>
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<tr>
<td>23</td>
<td>E-834X80</td>
<td>YD134X80</td>
<td>Drum</td>
<td>X~20%</td>
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<td>Ambientcure Coating</td>
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<td>24</td>
<td>E-834X90</td>
<td>YD134X90</td>
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<tr>
<td>25</td>
<td>E-828X90</td>
<td>YD128X90</td>
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<td>Ambientcure Coating</td>
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<tr>
<td>26</td>
<td>E-836-C-75</td>
<td>YD136C75</td>
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<td>E-235</td>
<td>YC-F180</td>
<td>Drum</td>
<td>5490~5650</td>
<td>6,000~8,000</td>
<td>Bpt Type</td>
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### Curing Agent—Polyamide, Polyamine

<table>
<thead>
<tr>
<th>Polyamide (DNC)</th>
<th>Kuk Do</th>
<th>Amine Value</th>
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<tbody>
<tr>
<td>D-220-70X</td>
<td>G-5022X70</td>
<td>220</td>
<td>MCDA Adduct type—D—800 (LK—177M)</td>
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<tr>
<td>D-310</td>
<td>G-0331</td>
<td>310</td>
<td>IPDA Adduct type—D—900</td>
</tr>
<tr>
<td>D-400</td>
<td>G-0240</td>
<td>400</td>
<td>K-54 (Accelerator Epoxy)</td>
</tr>
<tr>
<td>D-330</td>
<td>G-A0533</td>
<td>330</td>
<td>Other Rapid Curing Agent</td>
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</tbody>
</table>
Frontier in natural paint, adhesive, additive, flooring materials and chemical raw materials.

Irea Chemical Enterprise
Frontier in natural paint, wetting paint and chemical raw materials

- Morning in the Forest, Breathing paint hue, Good anion pillow
- Anion, Antibacteria effect / Prevent in atopy / Provide in fresh air
- Chemical raw material in epoxy, Urethane etc.,
  Epoxy resin & curing agent / Additive in epoxy, Urethane
- Epoxy moulding product
- Epoxy Accessories
- Paint in flooring / Epoxy lining, Coating, Additive
  Urethane waterproofing materials
  High level interior finisher
- Additive, Sealant etc. / Phenol, Bisphnol A, Dimer acid etc.
  Chemical raw materials
  (Epoxy resin & Curing agent, Polyol & Curing agent)
- Adhesive (Natural, Eco-friendly product)
  / Natural adhesive

ICE IREA CHEMICAL ENTERPRISE

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